

PATENT COOPERATION TREATY (PCT)
REPORT CONCERNING
NOVELTY SEARCH OF INTERNATIONAL TYPE

IDENTIFICATION OF THE NATIONAL APPLICATION	Reference of the applicant or representative A02-50145/HJB/LHE
NL Application No. 1022163	Application date 13 December 2002
	Claimed priority date
Applicant (name) Actuant Corporation	
Date of the request for a search of international type	ISA No. SN 40127 NL
I. CLASSIFICATION OF THE SUBJECT	
According to the international classification (IPC) Int.Cl. ⁷ : F15B13/07 F16K31/163	
II. TECHNICAL FIELDS SEARCHED	
Minimum documentation searched	
Classification system	Classification symbols
Int.Cl. ⁷ :	F15B F16K
Documentation searched other than the minimum documentation as far as such documentation is included in the searched areas	
III. NO SEARCH POSSIBLE FOR CERTAIN CLAIMS (REMARKS ON ADDITIONAL SHEET)	
IV. LACK OF UNITY OF THE INVENTION (REMARKS ON ADDITIONAL SHEET)	

V. DOCUMENTS CONSIDERED TO BE RELEVANT		
°Category	Citation of document with indication, where appropriate, of the relevant passages	Relevant to claim(s) No.
X	US 4 029 119 A (KLIEVES) 14 June 1977 (1977-14-06) column 5, line 5 - line 32 figures 2-4,8 column 5, line 50 - line 65 column 3, line 37 - line 40 ---	1,2,13, 26,32
X	US 5 022 426 A (FISCHER) 11 June 1991 (1991-11-06) column 2, line 57 -column 3, line 34; figure 3 ---	33,34
X	EP 1 088 509 A (BSH BOSCH SIEMENS HAUSGERAETE) 4 April 2001 (2001-04-04) column 5, line 48 -column 6, line 23; figure 2 ----	33
<input type="checkbox"/> Further documents are mentioned on page 3 <input checked="" type="checkbox"/> Members of the same patent family are mentioned on page 4		
°Category of cited documents: A: technological background E: earlier patent document, but published on, or after the filing date L: document cited for other reasons O: non-written disclosure P: intermediate document T: untimely published document on theory or principle underlying the invention X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category &: member of the same patent family, corresponding document		
VI. STATEMENT		
Date of completion of the search of international type 12 August 2003		Date of transmittal of the search report of international type
EUROPEAN PATENT OFFICE		Examiner SLEIGHTHOLME, G

**ANNEX TO THE SEARCH REPORT OF INTERNATIONAL TYPE
ON PATENT APPLICATION NO.**

NL 1022163

The annex comprises a list of Patent Applications and Patents published elsewhere (so called members of the same patent family) which correspond with patent documents mentioned in the report.

Patent document cited in the report	Publication date	Corresponding document (s)	Publication date
US 4029119	A 06-14-1977	NONE	
US 5022426	A 06-11-1991	NONE	
EP 1088509	A 04-04-2001	DE 19947323 A1 EP 1088509 A1	04-05-2001 04-04-2001

General information about this annex is published in the Official Journal of the European Patent Office No. 12/82.